lease		type. (Form designe	<del></del>			Manifest	<del></del>	Form Approved. Of	MB No. 2	050-0039. Expires 9-30-9
		NIFORM HAZA WASTE MANI		1. Generator's U WAD98	0 7 3 8 5 4 6	Document No.	2. P			the shaded areas by Federal law.
		rator's Name and M					A. St	ate Manifest Do	cumen	Number
1 1		Sixth Avenu		Seattle, W	A 98134		B. St	ate Generator's	ID	
_		rator's Phone ( 2		-5801						
		porter 1 Company lottingham Co		i	6. US EPA ID			tate Transporter		
_		porter 2 Company I			8. US EPA ID			ate Transporter		05 025 5204
					L		F. Tr	ansporter's Pho		
•		nated Facility Name		ess	10. US EPA ID	Number	G. Si	tate Facility's ID		
		l Resources West Sherma					H. Fa	acility's Phone		
		ix, Arizona			A Z D 9 8 0	7, 3, 5, 5, 0, 0			60	2-233-9166
11.	US D	OT Description (Inc	luding Proper Si	hipping Name, Ha	zard Class and ID Num	nber) 12. Conta	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.		Po		- 5:1a		0 1 5 5 5				
	X	RQ, Hazard (F006), 9,			os,	dros	CF	13.289	p	F006
b.		(1000), 3,	14150777 .		,	74.	٠.٠	<i>-</i>	-	
	X	RQ, Hazard			os,	4.2		1.0.7.2.7	_	
c.		(D007), 9,	NA30//, 1	111		013	M, C	14.76.7	P	D007
									<i>i</i>	
d.	$\vdash$						$\vdash$			
u.			and the second of the second o		and the same	equivos				•
24 (I	4 Ho Use GENER	CHEMTREC CON	y Response  mpany code  ON: I hereby declar	: 1-800-42 WORR ) We	4-9300 CHEMTHE CHEMTHE AND CHE	d goggles				
	If I am econon future 1	nically practicable and threat to human health	rator, I certify that that I have select and the environm	I have a program in ted the practicable nations; OR, if I am a s	n place to reduce the volunethod of treatment, stora small quantity generator, I	ge, or disposal curre	ently ava	ilable to me which	minimiz	es the present and
		t waste management m	ethod that is availa	ble to me and that I c	Signature	10				Month Day Year
(-	ER	· · · / _	Thomps	~~/	(Kan	15.4				060590
		porter 1 Acknowled	dgement of Rec	eipt of Materials	·····					
.,	rinte	d/Typed Name	$\sim$	actor	Signature	2000		7	· /	Month Day Year
18.	Trans	porter 2 Acknowled	gement of Reco	eipt of Materials		YYU)	لل			
	Printe	d/Typed Name			Signature			1 7 1	١	Nonth Day Year
19.	Discre	pancy Indication S	pace			And the second s				
			or: Certification	of receipt of haza	rdous materials cover	ed by this manife:	st excer	ot as noted in Ite	-	fanth Day V
	Printe	SHAWN	BRIDE		Signature	yan I	rich	,	^^	Onth Day Year
yle Cf	17-6	LABELMASTER, AN AM	ERICAN LABELMA	RK CO., CHICAGO, I	L 60646 (800)621-5888	1 7	EPA F	orm 8700-22 (Rev. 9-	88) Previo	ous editions are obsolete
RINTED	ON BECYCI	ED PAPER ( A. Jeros vo and d								

ease		NIFORM			1. Generato			Documen	t No.				n the shaded areas
<del> </del>			MANIFE		VAD 9	807	3 8 5 4 6	9.6.0	0.3	-			d by Federal law.
A	LASI	KAN COP	e and Mailin PER WORK	KS .	Seattle	WA 98	134				tate Manifest Do		it Number
			ne ( 206		-5801	, <b>N</b> A 30.	134			D. 3	late deficiators	, IU	
			mpany Nam			6.	US EPA ID				tate Transporte		08479
			am Co of		1	C <sub>.</sub> A	D 0 5 9 2		1 3	-			909-623-3264
7.	Trans	sporter 2 Co	mpany Nam	е		8.	US EPA ID	Number		_	ate Transporter		
-	Dania	antad Facil	t. Nome on	1 C:4- A -1-1-			US EPA ID	Number			ansporter's Pho tate Facility's ID		
			ty Name and		ess	10.	US EPA ID	Number		G. 5	iale Facility's ID		
			nerman S							H. Fa	acility's Phone		
			zona 85			AZ	D, 9, 8, 0, 7	7, 3, 5, 5,	0,0			60	2-233-9166
11.	US D	OT Descrip	tion (Includin	ng Proper Si	hipping Name,	, Hazard Cla	ass and ID Numi	ber)	1	iners Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. b.	X		zardous , 9, NA		, solid, III	nos	r	Ø	Э	C.F	\$3.28 <u>9</u>	P	F006
	X		zardous , 9, NA		, solid, III	nos	,	Øi	3	D,M	1.07.2.7	P	D007
C.													
											<del></del>	-	
d.		1											encount interest is
	, i		ntions for Ma	terials Liste	d Above	tia Car	ali Pilita (a. 1917) 1945 1950 1950			- Bulgara Taribaya Markaya	ndling Codes to		
J. / P 15.	Speci	# M S	Instructions	terials Lister  and Additions  esponse	od Above onal Informati :: 1-800-	ion 424–930		REC		- Bulgara Taribaya Markaya			
J. / P 15. 24 (U	Speci 4 Ho Use ( GENER proper s according If I am econom future to the best	# M S  ial Handling ur Enter CHEMTRE  AATOR'S CER shipping name ng to applicab a large quar icially practic- chreat to hum. It waste manage	Instructions gency Rec Compail and are classife international titly generator, able and that an health and gement method	and Additive sponse only code hereby declar fied, packed, and national of the certify that I have select the environment.	onal Informati :: 1-800- : 'WORR') e that the contenmarked, and labe government regu I have a prograted the practical	ion 424-930 Wear g ts of this conseled, and are is lations. am in place to the method on a small qua	OO CHEMTR Gloves and signment are fully a in all respects in pr o reduce the voluing the treatment, storage intity generator, I h	REC a goggle	describ for tra	ped abovensport by vaste gerently ava	e by y highway nerated to the degilable to me which	gree I ha h minimi, waste g	eve determined to be zes the present and eneration and select
J. / P 15. 24 (U	Speci 4 Ho Use ( GENER proper s accordir if I am econom future ti the bess	# M S  ial Handling ur Emer CHEMTRE  RATOR'S CER shipping name ng to applicable a large quar nically practice threat to hum at waste manage d/Typed Na	Instructions gency Roc compair and are classic international titly generator, able and that an health and gement method time	s and Additi esponse my code hereby declar fied, packed, and national I certify that I have select the environm I that is availa	onal Informati :: 1-800- :: WORR:) e that the conten marked, and labe government regu I have a progra ted the practical tent; OR, if I am ble to me and the	ion 424-930 Wear g ts of this conseled, and are is lations. am in place to the method on a small qua	OO CHEMTR gloves and signment are fully a in all respects in pr or reduce the voluing f treatment, storage intity generator, I h	REC a goggle	describ for tra	ped abovensport by vaste gerently ava	e by y highway nerated to the degilable to me which	gree I ha h minimi, waste g	eve determined to be zes the present and
J. / P 15. 24 (U	Specida House of GENER propers according future to the best Printe	# M S  ial Handling ur Emer CHEMTRE  RATOR'S CER shipping name ng to applicab a large quar nically practici- threat to humi t waste mana- d/Typed Na  ACO	Instructions gency Rec compail the international titly generator, able and that an health and gement method inne	s and Additi esponse hereby declar fied, packed, and national I certify that I have select the environm that is availa	onal Information and Information at 1-800-e 'WORR')  e that the content marked, and labe government regulated the practical tent; OR, if I amble to me and the	Wear gusts of this conseled, and are is lations. am in place to the method on a small quant I can afford	OO CHEMTR Gloves and signment are fully a in all respects in pr o reduce the voluing the treatment, storage intity generator, I h	REC a goggle	describ for tra	ped abovensport by vaste gerently ava	e by y highway nerated to the degilable to me which	gree I ha h minimi, waste g	we determined to be zes the present and eneration and select
J. J. P 15. 24 (U) 16.	Special House of Hous	# M S  ial Handling ur Emer CHEMTRE  ATOR'S CER shipping name ng to applicable a large quar nically practice threat to hum it waste manage d/Typed Na porter 1 Aci	Instructions gency Roc compail in and are classic international titly generator, able and that an health and gement method imperious and in the compain the compaint the compain the compain the compaint t	s and Additi esponse hereby declar fied, packed, and national I certify that I have select the environm that is availa	onal Informati :: 1-800- :: WORR:) e that the conten marked, and labe government regu I have a progra ted the practical tent; OR, if I am ble to me and the	Wear gusts of this conseled, and are is lations. am in place to the method on a small quant I can afford	old CHEMTR gloves and signment are fully a in all respects in pr or reduce the voluing freatment, storage antity generator, I have	REC a goggle	describ for tra	ped abovensport by vaste gerently ava	e by y highway nerated to the degilable to me which	gree I hah minimi waste g	ive determined to be zes the present and eneration and select
J. J. P 15. 24 (U) 16.	Special House of Hous	# M S  ial Handling ur Emer CHEMTRE  RATOR'S CER shipping name ng to applicab a large quar nically practici- threat to humi t waste mana- d/Typed Na  ACO	Instructions gency Roc compail in and are classic international titly generator, able and that an health and gement method imperious and in the compain the compaint the compain the compain the compaint t	s and Additi esponse hereby declar fied, packed, and national I certify that I have select the environm that is availa	onal Information and Information at 1-800-e 'WORR')  e that the content marked, and labe government regulated the practical tent; OR, if I amble to me and the	Wear gusts of this conseled, and are is lations. am in place to the method on a small quant I can afford	OO CHEMTR Gloves and signment are fully a in all respects in pr o reduce the voluing the treatment, storage intity generator, I h	REC a goggle and accurately oper condition me and toxiciting, or disposa	describ for tra	ped abovensport by vaste gerently ava	e by y highway nerated to the degilable to me which	gree I hah minimi waste g	ive determined to be zes the present and eneration and select
J. J. P. 15. 24 (I	Speci 4 HO Use ( GENER proper s according if 1 am econom future if the besi Printe	# M S  ial Handling ur Emer CHEMTRE  MATOR'S CER shapping name ing to applicable a large quar nically practic threat to hum. the waste manage dd/Typed Na  ACT ACT  dd/Typed Na  CONTROL  CONTROL  TO THE TO	Instructions gency Rec compaired in the	s and Additi esponse hereby declar fied, packed, and national I certify that I have select the environm that is availa	onal Information and Information at 1-800-e 'WORR')  e that the content marked, and labe government regulated the practical tent; OR, if I amble to me and the	wear of this conseled, and are illations. am in place to ble method on a small quality can afford als	old CHEMTR gloves and signment are fully a in all respects in pr or reduce the voluing freatment, storage antity generator, I have	REC a goggle and accurately oper condition me and toxiciting, or disposa	describ for tra	ped abovensport by vaste gerently ava	e by y highway nerated to the degilable to me which	gree I hah minimi waste g	ive determined to be zes the present and eneration and select
J. J. P. 15. 24 (I	Special House of Hous	# M S  ial Handling ur Emer CHEMTRE  MATOR'S CER shapping name ing to applicable a large quar nically practic threat to hum. the waste manage dd/Typed Na  ACT ACT  dd/Typed Na  CONTROL  CONTROL  TO THE TO	Instructions gency Rec compaired and are classiful to and that an health and gement method are considered as the considered and that an health and gement method are considered as the considere	s and Additi esponse hereby declar fied, packed, and national I certify that I have select the environm that is availa	onal Informatics: 1-800-e 'WORR')  e that the content marked, and labe government regulated the practical ment; OR, if I amble to me and the property of Material	wear of this conseled, and are illations. am in place to ble method on a small quality can afford als	old CHEMTR gloves and signment are fully a in all respects in pr or reduce the voluing freatment, storage antity generator, I have	REC a goggle and accurately oper condition me and toxiciting, or disposa	describ for tra	ped abovensport by vaste gerently ava	e by y highway nerated to the degilable to me which	gree I ha h minimi waste g	ive determined to be zes the present and eneration and select
J. 7 P. 15. 24 (I	Special Horas (Special Horas (Specia	# M S  ial Handling ur Emer CHEMTRE  ATOR'S CER shipping name ng to applicab a large quar icitally practici- threat to hum. t waste mana- id/Typed Na  ACT ACT d/Typed Na  porter 2 Act d/Typed Na	Instructions gency Rec compaired and are classiful to and that an health and gement method are considered as the considered and that an health and gement method are considered as the considere	s and Additi esponse hereby declar fied, packed, and national I certify that I have select the environm I that is availa	onal Informatics: 1-800-e WORR?)  e that the contenmarked, and labe government regulated the practical tent; OR, if I amble to me and the properties of Materials	Wear of this conseled, and are illations.  am in place to ble method on a small qual at I can afford	OO CHEMTR Cloves and signment are fully a in all respects in pr o reduce the voluing f treatment, storage intity generator, I is Signature	REC a goggle and accurately oper condition me and toxicities, or disposa have made a	describt for tra	ped abovensport by asste generally available effor	e by y highway nerated to the degilable to me which	gree I ha h minimi waste g	we determined to be zes the present and eneration and select  Month Day Year  Old OST
J. J. P. 15. 24 (U. 16. 17. 18. 19.	Special Hood Speci	# M S  ial Handling ur Emer CHEMTRE  AATOR'S CER sharping name ing to applicable a large quar inically practic threat to hum. It waste manage dd/Typed Na  ACTOR Dorter 1 Act d/Typed Na  Openter 2 Act d/Typed Na  Openter 2 Act d/Typed Na  Openter 1 Act Dorter 2 Act dorter 2 Act dorter 3 Act Dorter 3 Act Dorter 4 Act Dorter 5 Act Dorter 6 Act Dorter 7 Act Dorter 7 Act Dorter 8 Act Dorter 8 Act Dorter 9 Act Dorter 9 Act Dorter 1 Act Dorter 1 Act Dorter 1 Act Dorter 2 Act Dorter 1 Act Dorter 2 Act Dorter 1 Act Dorter 1 Act Dorter 1 Act Dorter 2 Act Dorter 1 Act Dorter 2 Act Dorter 1 Act Dorter 2 Act Dorter 1 Act	Instructions gency Rec compains the international still generator, able and that an health and gement method arme chowledgem me cowledgem me	s and Additi esponse hereby declar fied, packed, and national I certify that I have select the environm that is availa	onal Informatics: 1-800-es WORR?)  e that the content marked, and labe government regulated the practical ment; OR, if I amble to me and the content of Material ments of Mate	wear of this conseled, and are illations.  am in place to ble method on a small qual at I can afford	old CHEMTR gloves and signment are fully a in all respects in pro- or reduce the volum f treatment, storag- antity generator, I had Signature	REC a goggle and accurately oper condition me and toxiciting, or disposa have made a	descritifor tra	oed abovensport by vaste gerantly avaaith effo	e by y highway herated to the degilable to me which rt to minimize my	gree I hah minimi waste g	ve determined to be zes the present and eneration and select  Month Day Year  Old 0 5 7 6



	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No	D	anifest ocument No.		ienot		the shaded areas by Federal law.
	Generator's Name and Mailing Address					tate Manifest Do	cumen	t Number
					1	tate Generator's	37 70 0 57	
_	Generator's Phone ( ) Transporter 1 Company Name	6. U	JS EPA ID Nur	nber		tate Transporte		
-	r skirt skirt gjert <b>s</b> a dan		, .; , <sub>e,</sub>		D. T	ransporter's Pho	one -	operate.
7.	Transporter 2 Company Name	, 8. U	IS EPA ID Nur	nber		tate Transporter		
q	Designated Facility Name and Site Addre	L ss 10. U	IS EPA ID Nur	nber	-	ansporter's Pho tate Facility's ID		
	trani-karonjena (kapita)							Contract of France v
	and the Sherman Walder S	<b>L</b>			H. F	acility's Phone		223-916
11.	US DOT Description (Including Proper Sh	ipping Name, Hazard Class an	nd ID Number)	12. Cont No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	A Property of the second of th		Town No. 1	(27) <del>3</del>	2	43,289	,	
b.						1,000		e conte
	y Professional Vasion	fort not		13	i ÷e	1 47 = 3		11/1/
G.								
d.					107			
. 202	Additional Descriptions for Materials Liste	ar Programmer and Landson				ndling Codes fo		
15.	Additional Descriptions for Materials Lister  M153538  Special Handling Instructions and Addition	onal Information						
15.	Special Handling Instructions and Addition	that the contents of this consignment of the contents of the consignment of the contents of the contents of the contents of the practicable method of treat ont; OR, if I am a small quantity gole to me and that I can afford.	ent are fully and a espects in proper uce the volume atment, storage, o	ccurately descricted from the condition for training and toxicity of or disposal current of the condition of	bed above ansport be waste geently ave	ve by yy highway enerated to the degailable to me which	gree I ha th minimia waste g	ve determined to be zes the present and eneration and select
15.	Special Handling Instructions and Addition  GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, reaccording to applicable international and national gif I am a large quantity generator, I certify that economically practicable and that I have select future threat to human health and the environmenthe best waste management method that is availated.  Printed/Typed Name	that the contents of this consignment of the contents of the consignment of the covernment regulations.  I have a program in place to reduce the practicable method of treatment; OR, if I am a small quantity gole to me and that I can afford.  Sign	ent are fully and a espects in proper uce the volume triment, storage, of generator, I have	ccurately descricted from the condition for training and toxicity of or disposal current of the condition of	bed above ansport be waste geently ave	ve by yy highway enerated to the degailable to me which	gree I ha th minimia waste g	ve determined to be zes the present and eneration and select
15.	GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, r according to applicable international and national gf I am a large quantity generator, I certify that economically practicable and that I have select future threat to human health and the environment the best waste management method that is availated.	onal Information  I that the contents of this consignment arked, and labeled, and are in all relovernment regulations.  I have a program in place to reduce the practicable method of treatment; OR, if I am a small quantity gole to me and that I can afford.  Significant of Materials	ent are fully and a espects in proper uce the volume triment, storage, of generator, I have	ccurately descricted from the condition for training and toxicity of or disposal current of the condition of	bed above ansport be waste geently ave	ve by yy highway enerated to the degailable to me which	gree I ha h minimi waste g	ive determined to be zes the present and eneration and select
15.	Special Handling Instructions and Addition  GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, reaccording to applicable international and national gif I am a large quantity generator, I certify that economically practicable and that I have select future threat to human health and the environmenthe best waste management method that is availated Printed/Typed Name  Transporter 1 Acknowledgement of Received Printed/Typed Name	onal Information  I that the contents of this consignment arked, and labeled, and are in all repovernment regulations.  I have a program in place to reduce the practicable method of treatment; OR, if I am a small quantity gole to me and that I can afford.  Signification of Materials  Signification of Materials  Signification of Materials	ent are fully and a espects in proper uce the volume a timent, storage, o generator, I have	ccurately descricted from the condition for training and toxicity of or disposal current of the condition of	bed above ansport be waste geently ave	ve by yy highway enerated to the degailable to me which	gree I ha h minimi waste g	ve determined to be zes the present and eneration and select
15. 16.	GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, r according to applicable international and national gif I am a large quantity generator, I certify that economically practicable and that I have select future threat to human health and the environmenthe best waste management method that is available Printed/Typed Name  Transporter 1 Acknowledgement of Receiver the printed/Typed Name	onal Information  I that the contents of this consignment of the contents of this consignment of the content of	ent are fully and a espects in proper uce the volume timent, storage, of generator, I have inature	ccurately descricted from the condition for training and toxicity of or disposal current of the condition of	bed above ansport be waste geently ave	ve by yy highway enerated to the degailable to me which	gree I hath minimin waste g	we determined to be zes the present and eneration and select Month Day Yea
15. 16.	GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, raccording to applicable international and national gif I am a large quantity generator, I certify that economically practicable and that I have select future threat to human health and the environmenthe best waste management method that is availated. Printed/Typed Name  Transporter 1 Acknowledgement of Receiver and the printed/Typed Name  Transporter 2 Acknowledgement of Receivers and the printed/Typed Name	onal Information  I that the contents of this consignment of the contents of this consignment of the content of	ent are fully and a espects in proper uce the volume trment, storage, of generator, I have inature	ccurately descricted from the condition for training and toxicity of or disposal current of the condition of	bed above ansport be waste geently ave	ve by yy highway enerated to the degailable to me which	gree I hath minimin waste g	we determined to be zes the present and eneration and select Month Day Yea
15. 16.	GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, reaccording to applicable international and national of II am a large quantity generator, I certify that economically practicable and that I have select future threat to human health and the environmenthe best waste management method that is availated. Transporter 1 Acknowledgement of Receive Printed/Typed Name  Transporter 2 Acknowledgement of Receive Printed/Typed Name	intat the contents of this consignmentarked, and labeled, and are in all recovernment regulations.  I have a program in place to reduce the practicable method of treatent; OR, if I am a small quantity gole to me and that I can afford.  Signification of Materials	ent are fully and a espects in proper uce the volume timent, storage, of generator, I have inature	ccurately descricondition for trained and toxicity of or disposal curring made a good	bed abordansport bewaste geently avifaith effective faith effe	ve by ny highway merated to the de- ailable to me which out to minimize my	gree I hath minimit waste g	we determined to be zes the present and eneration and select Month Day Yea



GENERATOR COPY

# Material Safety Data Sheet

D007 Recyclable Material

Recycler's Facility Name and Site Address:

World Resources Company

8113 West Sherman Street Phoenix, Arizona 85043

Tel: 1-602-233-9166 Fax: 602-936-9164

Issued: 3/18/94

Call CHEMTREC only in the event of emergencies during shipping that involve a spill, leak, fire, or accident (all calls are recorded)

For Emergencies During Shipping in the US or Canada, Day or Night, Call: CHEMTREC 800-424-9300 (Use CHEMTREC Company Code "WORR") For calls from other countries call: 202-483-7616 Collect

#### Section 1

Environmental Protection Agency (EPA) Waste Classification: D007

Generic Name: Chromium metal bearing sludge Chemical Family: Non-Ferrous metal particulates

Synonym: Metallic Residues From High Frequency Burning Table

#### PRODUCT - MATERIAL IDENTIFICATION

DOT Shipping Name: RQ, Hazardous Waste, Solid, n.o.s. (D007) DOT Hazard Class: 9; Packing Group: III

**DOT Identification Number: NA 3077 DOT Emergency Response Guide 31 Applies** 

#### Section 2

#### HAZARDOUS INGREDIENTS

Ingredient:	CAS Number:	Content %:	ACGIH-TLV		Toxicology:
Aluminum	7429-90-5	0-5	10 mg/m 3		No Data Available
Chromium	7440-47-3	0-15	0.5 mg/m 3	18 8 9	2.75 mg/kg (Rat, Oral)
Copper	7440-50-8	0-10	1.0 mg/m 3		0.35 mg/kg (Mouse, Oral)
Nickel	7440-02-0	0-10	1.0 mg/m 3		No Data Available
Zinc	7440-66-6	0-5	none established		No Data Available

#### Section 3

#### Description: Moist, Sandy consistency

Brown to Black colored

Water Content 10-20% by weight

Specific Gravity: 2.0 to 3.0 Solubility: Insoluble in water Density: 100 to 150 lbs/cu/ft

Incompatible Reactivity: Extreme heat sources,

Oxidants

Vapor Pressure: Insignificant

Stability: Avoid contact with acids, extreme heat

PHYSICAL AND REACTIVITY DATA

Polymerization: Will not occur Boiling Point: Above 2000°C Melting Point: Above 1000°C

pH: 7.0 to 10.0

Odor: Nil

#### Section 4

#### AND EXPLOSION DATA

Oxidation: Non-oxidizing Flashpoint: Nonflammable, under normal conditions Explosive: Non-explosive Special Firefighting Procedures: Dry Chemical

Product Decomposition. . . . (Due to Fire or Explosion): Hydrogen gas, ZnO ( under extreme external heat) Fire Diamond



#### Section 5

Listed Carcinogen component: Chromium, Nickel Toxicology: See Sec. 2 (Chromium, Nickel ) Route of Entry: Inhalation and Ingestion

#### HEALTH EFFECTS AND FIRST AID

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term Effects: Chronic overexposure may affect the following target organs or body systems-blood, digestive, respiratory, lungs, liver, kidneys and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

#### Section 7

#### PRECAUTIONS FOR SAFE HANDLING

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment be used by personnel who will come in contact with the material. The equipment should include eye protection, respirator and ajoves.

Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover from rain.

Spills: Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World Resources Company at above address.

#### Section 8

#### CONTROL MEASURES

Respiratory Protection: NIOSH-MSHA approved respirators as required. Other Protective Equipment: Coveralls are recommended, but not required. Eye Protection: Safety Glasses recommended.

Hand Protection: Gloves recommended.

## GENERATORS VERIFICATION

This MSDS is provided solely for informational purposes and no warranty or responsibility is extended even though reasonable precautions have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the recyclable material listed on the attached Manifest Number. 76.00 Tele Company Name and Address: Alaskan Copper Works 628 Hanford Telephone: Seattle

Signature:

AZF-WRC 3/94

# Material Safety Data Sheet

F006 Recyclable Material (Filter Cake)

Recycler's Facility Name and Site Address:

World Resources Company 8113 West Sherman Street Phoenix, Arizona 85043

Tele: 1-602-233-9166 Fax: 602-936-9164

Issued: 8/7/90 Revised: 9/15/93 - DLS

Call CHEMTREC only in the event of emergencies during shipping that Involve a spill, leak, fire, or accident (all calls are recorded)

For Emergencies During Shipping in the US or Canada, Day or Night, Call: CHEMTREC 800-424-9300 (Use Chemtrec Company Code "WORR") For calls from other countries call: 202-483-7616 Collect

#### Section 1

#### PRODUCT -MATERIAL IDENTIFICATION

Generic Name: Electroplating/Metal-Finishing Wastewater Treatment Sludge DOT Shipping Name: RQ, Hazardous waste, solid, n.o.s., (F006) DOT Hazard Class: 9 Packaging Group III Environmental Protection Agency (EPA) Waste Classification: F006

Chemical Family: Metallic (Hydroxide) Precipitates Synonym: Non-ferrous Metal Hydroxide Filter Cake

DOT identification Number: NA 3077 **DOT Emergency Response Guide 31 Applies** 

Section 2	, , , , , , , , , , , , , , , , , , ,	Control of the Parity of	HAZARD	OUS INGREDIENTS
ingredient:	CAS Number:	Content %:	ACGIH-TLY	Toxicology: (rat, oral)
Copper Hydroxide	20427-59-2	0-30	1.0 mg/m3 (Dust)	LD-50 1,000 mg/kg
Nickel Hydroxide	12054-48-7	0-15	1.0 mg/mg (Dust)	LD-50 1,500 mg/kg
Calcium Hydroxide	1305-62-0	0-15	5.0 mg/m <sub>3</sub> (Dust)	LD-50 7,340 mg/kg
Diatomaceous Earth	68855-54-9	0-10	6.0 mg/m3 (Dust)	LD-50 3,160 mg/kg

#### Section 3

## PHYSICAL AND REACTIVITY DATA

Description: Solid, Clay-like Clumps.

Gray/Green to Brown, Water Content 30-80%

Specific Gravity: 1 to 1.4 Solubility: Insoluble in water Density: 64 to 90 lbs/cu/ft Incompatible Reactivity: None Known

Vapor Pressure: Insignificant Stability: Avoid contact with acids Polymerization: Will not occur

Boiling Point: Above 2600°C Melting Point: Above 1800°C

pH: 7.0 to 10.0 Odor: Nil

#### Section 4 \*\*\*

## FIRE AND EXPLOSION DATA

Oxidation: Non-oxidizing Flashpoint: Nonflammable Special Firefighting Procedures: None

Explosive: Non-explosive Product Decomposition. . . . . (Due to Fire or Explosion): None

NFPA Fire Diamond



#### Section 5

## TOXICITY

Listed Carcinogen component: Nickel

Toxicology: See Sec. 2 (Nickel Hydroxide)

Route of Entry: Inhalation and Ingestion

#### Section 6

## HEALTH EFFECTS AND FIRST AID

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconcious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term Effects: Chronic overexposure may affect the following target organs or body systems-blood, digestive, respiratory, lungs, liver, kidneys and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

#### Section 7

## PRECAUTIONS FOR SAFE HANDLING

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment be used by personnel who will come in contact with the material. The equipment should include eye protection, respirator and gloves.

Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover from rais.

Spills: Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World Resources Company at above address.

#### Section 8

## CONTROL MEASURES

Respiratory Protection: NIOSH-MSHA approved respirators as required. Other Protective Equipment: Coveralls are recommended, but not required.

Eye Protection: Safety Glasses recommended. Fland Protection: Gloves recommended.

#### Section 9

## GENERATORS VERIFICATION

This MSDS is provided solely for informational purposes and no warranty or responsibility is extended even though reasonable precautions have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the recyclable material listed on the attached Manifest Number Works Sixth ave. 628 south Company Name and Address: 34

Senature

## NOTICE

TO: World Resource Company

8112 West Sherman Street Phoenix, Arizona 85043

From: Alaskan Copper Works

628 South Hanford Street Seattle, Washington 98134

SUBJECT: Land Disposal Restriction Notice

Manifest Number: 96003

Date of Shipment: 6-5-96

This shipment of material, which is being provided for recycling, is subject to the land disposal restrictions of 40 CFR, Part 268, Subpart D or the prohibitions specified in 268.32 or RCRA 3004(d). The applicable Land Disposal Restriction Information is provided in accordance with 40 CFR 268.7 and is shown below:

EPA Material	Regulated	Subcategory	Treatability	Treatmer	nt Standards
Number	Constituent		Group	CFR Reference	Prohibition Level
F006	N/A	N/A	Nonwastewater	40 CFR 268.41 40 CFR 268.43	
				•	

By: Gerald A. Thompson

Alaskan Copper Environmental Assistant

## **MATERIAL IDENTIFICATION**

DOT SHIPPING NAME:

Hazardous Waste Solid N.O.S. (F006)

DOT HAZARD CLASS: UN OR NA NUMBER: Class 9 NA 3077 1990 EMERGENCY RESPONSE GUIDE

# **DOT EMERGENCY RESPONSE GUIDE 31**

## POTENTIAL HAZARDS

## FIRE OR EXPLOSION

Some of these material may burn, but none of them ignites readily.

## --- HEALTH HAZARDS

Contact may cause burns to skin and eyes.

Fire may produce irritating or poisonous gases.

Runoff from fire control or dilution water may cause pollution.

## **EMERGENCY ACTION**

Keep unnecessary people away.

Isolate hazard area and deny entry.

Self-contained breathing apparatus (SCBA) and structural firefighters,s protective clothing will provide limited protection.

CALL CHEMTREC AT 1-800-424-9300 FOR EMERGENCY ASSISTANCE. (Use Chemtrec Company Code "WORR") If water pollution occurs, notify the appropriate authorities.

#### FIRE

Small Fires: Dry chemical, CO2, Halon, water spray or standard foam.

Large fires: Water spray, fog or standard foam is recommended.

Move container from fire area if you can do it without risk.

Do not scatter spilled material with high-pressure water streams.

Dike fire control water for later disposal.

#### SPILL OR LEAK

Stop leak if you can do it without risk.

Small Dry Spills: With clean shovel place material into clean, dry container and cover, move containers from spill area.

Small spill: Take up with sand or other noncombustible absorbent material and place into containers for disposal.

Large Spills: Dike far ahead of liquid spill for later disdosal.

Cover powder spill wiuth plastic sheet or tarp to minimizing spreaing.

### **FIRST AID**

In case of contact with material, immediatly flush eyes with running water for at least 15 minutes.

Wash skin with soap and water.

Remove and isolate contaminated clothing and shoes at the site.

manifest number in block below.		45 S S S S S S S S S S S S S S S S S S S	1
	WAD980738546 <u>960のろ</u>		1. 1.
		····	J
	(Shipping Manifest Num	ber)	

## MATERIAL IDENTIFICATION

DOT SHIPPING NAME:

Hazardous Waste Solid N.O.S. (D007)

DOT HAZARD CLASS:

Class 9

UN OR NA NUMBER: NA 3077

1990 **EMERGENCY** RESPONSE **GUIDE** 

## **DOT EMERGENCY RESPONSE GUIDE 31**

## POTENTIAL HAZARDS

#### FIRE OR EXPLOSION

Some of these material may burn, but none of them ignites readily.

#### **HEALTH HAZARDS**

Contact may cause burns to skin and eyes.

Fire may produce irritating or poisonous gases.

Runoff from fire control or dilution water may cause pollution.

## **EMERGENCY ACTION**

Keep unnecessary people away.

Isolate hazard area and deny entry.

Self-contained breathing apparatus (SCBA) and structural firefighters, s protective clothing will provide limited protection.

CALL CHEMTREC AT 1-800-424-9300 FOR EMERGENCY ASSISTANCE. (Use Chemtrec Company Code "WORR") If water pollution occurs, notify the appropriate authorities.

#### FIRE

Small Fires: Dry chemical, CO2, Halon, water spray or standard foam.

Large fires: Water spray, fog or standard foam is recommended.

Move container from fire area if you can do it without risk.

Do not scatter spilled material with high-pressure water streams.

Dike fire control water for later disposal.

### SPILL OR LEAK

Stop leak if you can do it without risk.

Small Dry Spills: With clean shovel place material into clean, dry container and cover, move containers from spill area.

Small spill: Take up with sand or other noncombustible absorbent material and place into containers for disposal.

Large Spills: Dike far ahead of liquid spill for later disdosal.

Cover powder spill wiuth plastic sheet or tarp to minimizing spreaing.

#### **FIRST AID**

In case of contact with material, immediatly flush eyes with running water for at least 15 minutes.

Wash skin with soap and water.

Remove and isolate contaminated clothing and shoes at the site.

NOTE: If this response guide is us	sed as an attachment for shipping documents, en	ter shipping
manifest number in block below.	WAD980738546_96003	1851 W

(Shipping Manifest Number)

## **NOTICE**

TO: World Resource Company

8112 West Sherman Street Phoenix, Arizona 85043

From: Alaskan Copper Works

628 South Hanford Street Seattle, Washington 98134

SUBJECT: Land Disposal Restriction Notice

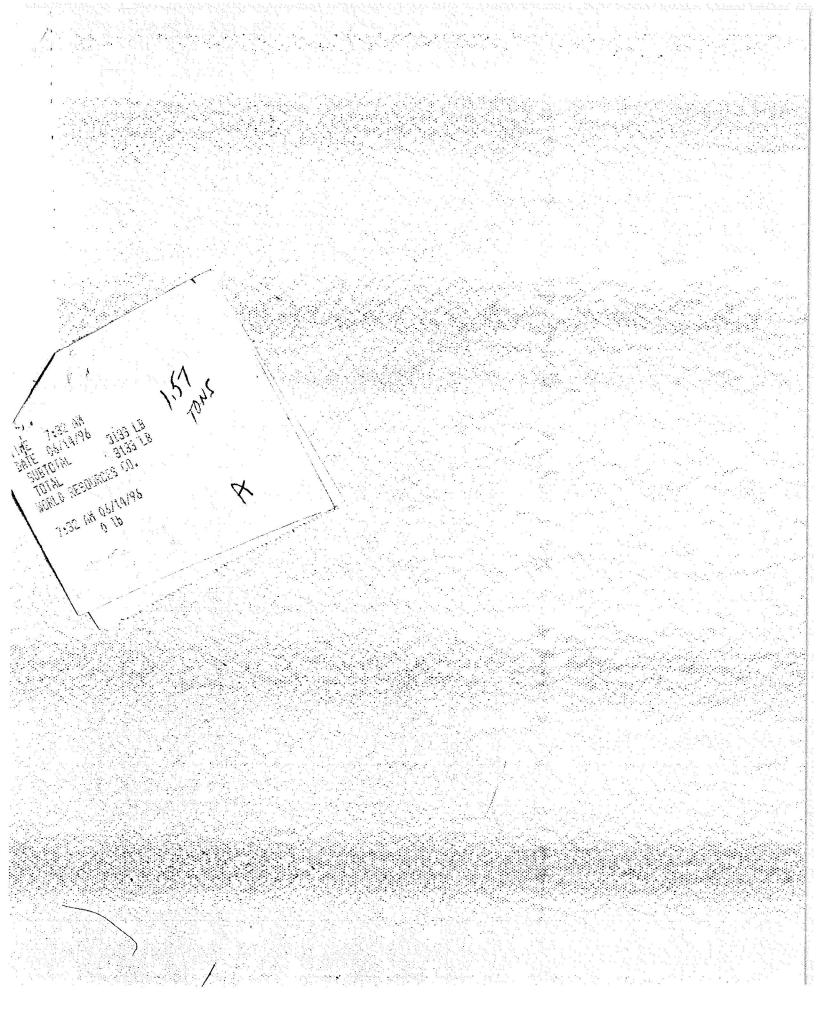
Manifest Number:	96003	
Date of Shipment:	6-5-96	,

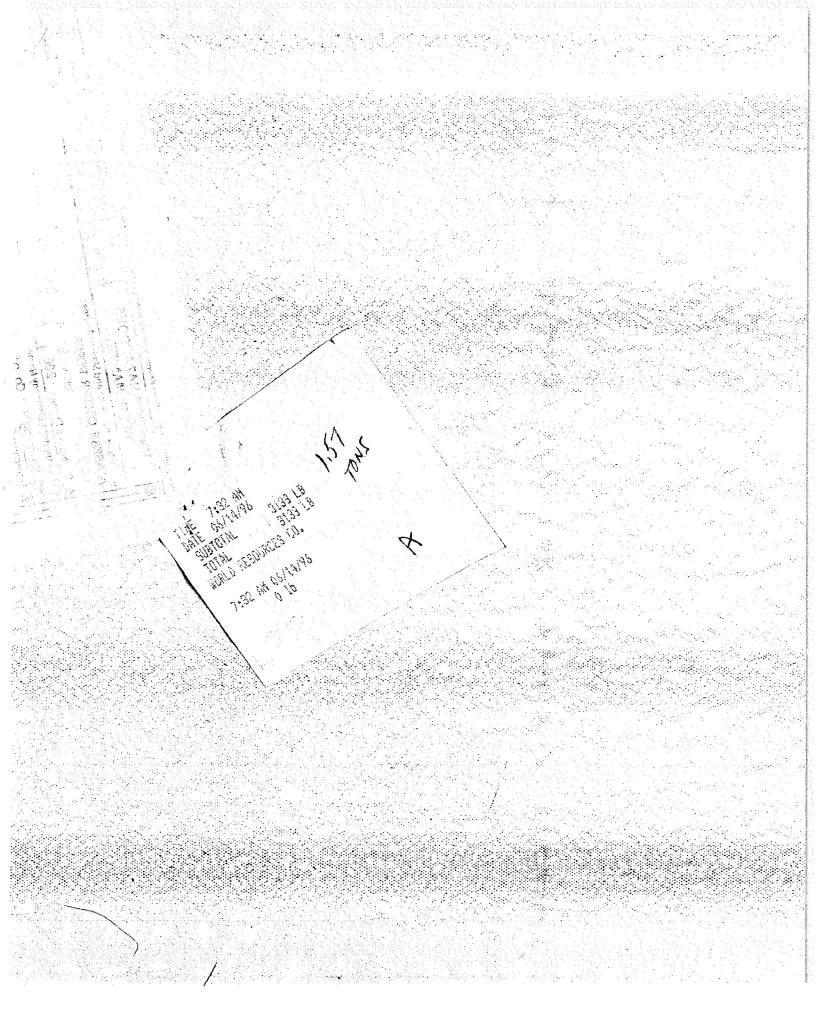
This shipment of material, which is being provided for recycling, is subject to the land disposal restrictions of 40 CFR, Part 268, Subpart D or the prohibitions specified in 268.32 or RCRA 3004(d). The applicable Land Disposal Restriction Information is provided in accordance with 40 CFR 268.7 and is shown below:

EPA Material	Regulated	Subcategory	Treatability	Treatmen	nt Standards
Number	Constituent		Group	CFR Reference	Prohibition Level
D007	N/A	N/A	Nonwastewater	40 CFR 268.41 40 CFR 268.43	
		· .		•	

By: Gerald A. Thompson

Alaskan Copper Environmental Assistant





# WORLD RESOURCES COMPANY

8113 WEST SHERMAN STREET / PHOENIX, ARIZONA 85043 / (602) 233-9166

Mr. Gerald A. Thompson Alaskan Copper Works 628 South Hanford Street Seattle, Washington 98134

Dear Mr. Thompson:

Enclosed is the appropriate copy of the Uniform Hazardous Waste Manifest and the weigh ticket resulting from the transfer of the recyclable materials by your company to World Resources Company (WRC) and the transportation of these recyclable materials to the WRC Recycling Facility in Arizona for the purpose of recovering the metal values therein.

Sincerely,

WORLD RESOURCES COMPANY

R Piergalhm Manifest Coordinator

**Enclosures**